Coal City Unit District #1
Second Grade
Math Curriculum

MA.2:1 **Students will solve problems involving addition and subtraction. (OA-1, OA-2)**

MA.2:1-1	Solve and or draw addition problems with sums no greater than 100.
MA.2:1-2	Determine missing addend in a one step addition problem.
MA.2:1-3	Determine missing addend in a two step addition problem.
MA.2:1-4	Solve and or draw addition or subtraction problems with a top number no greater than 100 using mental math or paper pencil.
MA.2:1-5	Determine the missing number in a one step subtraction problem.
MA.2:1-6	Determine the missing number in a two step subtraction problem.

MA.2:2 **Students will work with objects to gain foundations for multiplication. (OA-3, OA-4)**

MA.2:2-1	Determine whether a number is even or odd.
MA.2:2-2	Identify and write an equation to show an even sum when adding equal addends. (e.g. 7+7=14)
MA.2:2-3	Identify and write an addition problem that matches the arrays with no more than 5 rows and 5 columns. (e.g. 5+5+5+5=20)

MA.2:3 **Students will demonstrate an understanding of place value. (NBT-1)**

MA.2:3-1	Determine the value of each digit in a three digit number. (e.g. 706 equals 7 hundreds)

MA.2:4 **Students will demonstrate an understanding of counting. (NBT-2, 3)**

MA.2:4-1	Determine the next number in a pattern.
MA.2:4-2	Identify numbers to 1000 using base ten numerals.
MA.2:4-3	Identify numbers to 1000 using number names.
MA.2:4-4	Identify numbers to 1000 using expanded form.
MA.2:4-5	Identify numbers to 1000.

MA.2:5 Students will be able to compare numbers and add numbers using base ten value. (NBT-4, NBT-5)

MA.2:5-1	Add two digit numbers with a sum less than 100 without regrouping.
MA.2:5-2	Add two digit numbers with a sum less than 100 with regrouping.
MA.2:5-3	Add and subtract three digit number.
MA.2:5-4	Subtract two digit numbers without regrouping.
MA.2:5-5	Subtract two digit numbers with regrouping.
MA.2:5-6	Compare two or three-digit numbers using greater than, less than, and equal to.

MA.2:6 Students can add and subtract. (NBT-8, NBT-9, NBT-6, NBT-7)

MA.2:6-1	Add 10 to a given number.
MA.2:6-2	Add 100 to a given number.
MA.2:6-3	Subtract 10 from a given number.
MA.2:6-4	Subtract 100 from a given number.
MA.2:6-5	Add up to four, two-digit numbers with/without regrouping.
MA.2:6-6	Explain why strategies work.

MA.2:7 Students can solve problems involving measurement. (MD-1, MD-2, MD-3, MD-4, MD-5, MD-6)

MA.2:7-1	Determine the length of a classroom object using different units (e.g. pencils, paper clips, cubes, crayons, etc.)
MA.2:7-2	Compare lengths related to the different units of measure.
MA.2:7-3	Determine lengths using different measuring tools (e.g. rulers, yard sticks, meter sticks, and measuring tapes)
MA.2:7-4	Compare the length of two objects.
MA.2:7-5	Estimate an item's length using inches, feet, centimeters, and meters.
MA.2:7-6	Solve addition or subtraction word problems within 100 using drawings and or equations.
MA.2:7-7	Add and subtract within 100 on a number line.

MA.2:8 Students can solve problems using clocks and money. (MD-7, MD-8)

MA.2:8-1	Determine the time accurately to 5 minutes in am/pm using analog clocks.
MA.2:8-2	Determine the time accurately to 5 minutes in am/pm using digital clocks.
MA.2:8-3	Solve word problems involving dollar bills, quarters, dimes, nickels, and pennies.
MA.2:8-4	Use dollar and cent symbols correctly.

MA.2:9 **Students will demonstrate an understanding of graphs. (MD-9 and MD-10)**

MA.2:9-1	Interpret and draw information from a picture graph.
MA.2:9-2	Interpret and draw information from a bar graph.
MA.2:9-3	Solve simple comparison problems using a bar graph.
MA.2:9-4	Solve simple comparison problems using a picture graph.
MA.2:9-5	Identify measurements of several objects on a line plot.

MA.2:10 **Students will demonstrate an understanding of geometric shapes. (G-1, G-2)**

MA.2:10-1	Identify and draw triangles, quadrilaterals, pentagons, hexagons, cones, rectangular prisms, spheres, pyramids, and cubes and their specific attributes . (e.g. number of angles, faces, and vertices)
MA.2:10-2	Determine the area of a rectangle using same size squares.

MA.2:11 **Students will demonstrate an understanding of fractions. (G-3)**

MA.2:11-1	Divide shapes into 2, 3, and 4 equal parts.
MA.2:11-2	Identify the parts of a whole. (e.g. halves, thirds, fourths, half of, and a third of)
MA.2:11-3	Identify a shape that has been divided into equal parts. (e.g. 2 halves, 3 thirds, and 4 fourths)